Recombinant Human Cleavage Stimulation Factor, 3' Pre-RNA, Subunit 1, 50kDa, His-tagged

Cat. No. CSTF1-6966H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CSTF1 protein, fused to His-tag at C-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-431aa
Description	CSTF1, also known as cleavage stimulation factor subunit 1, is involved in the polyadenylation and 3"end cleavage of pre-mRNAs. Similar to mammalian G protein beta subunits, this protein contains transducin-like repeats. Several transcript variants with different 5" UTR, but encoding the same protein, have been found for this gene.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 2M urea.
Molecular Mass	49.4 kDa (439aa)
AA Sequence	MYRTKVGLKD RQQLYKLIIS QLLYDGYISI ANGLINEIKP QSVCAPSEQL LHLIKLGMEN DDTAVQYAIG RSDTVAPGTG IDLEFDADVQ TMSPEASEYE TCYVTSHKGP CRVATYSRDG QLIATGSADA SIKILDTERM LAKSAMPIEV MMNETAQQNM ENHPVIRTLY DHVDEVTCLA FHPTEQILAS GSRDYTLKLF DYSKPSAKRA FKYIQEAEML RSISFHPSGD FILVGTQHPT LRLYDINTFQ CFVSCNPQDQ HTDAICSVNY NSSANMYVTG SKDGCIKLWD GVSNRCITTF

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	EKAHDGAEVC SAIFSKNSKY ILSSGKDSVA KLWEISTGRT LVRYTGAGLS GRQVHRTQAV FNHTEDYVLL PDERTISLCC WDSRTAERRN LLSLGHNNIV RCIVHSPTNP GFMTCSDDFR ARFWYRRSTT DVEHHHHHH
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	CSTF1 cleavage stimulation factor, 3 pre-RNA, subunit 1, 50kDa [Homo sapiens]
Official Symbol	CSTF1
Synonyms	CSTF1; cleavage stimulation factor, 3 pre-RNA, subunit 1, 50kDa; cleavage stimulation factor, 3 pre RNA, subunit 1, 50kD; cleavage stimulation factor subunit 1; CF-1 50 kDa subunit; CSTF 50 kDa subunit; cleavage stimulation factor 50 kDa subunit; CstF-50; CstFp50;
Gene ID	1477
mRNA Refseq	NM_001033521
Protein Refseq	NP_001028693
MIM	600369

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UniProt ID	Q05048
Chromosome Location	20q13.31
Pathway	BARD1 signaling events, organism-specific biosystem; Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Processing of Capped Intronless Pre-mRNA, organism-specific biosystem; Processing of Intronless Pre-mRNAs, organism-specific biosystem; RNA Polymerase II Transcription, organism-specific biosystem;
Function	RNA binding; protein binding;

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